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S4	8	(finite adj element adj (analysis or method or model\$4)) and ((deform or deforming or deformation) same (conduct or conducting) same load)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/05/11 17:23
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S6	3	S5 and ((deform or deforming or deformation) and (conduct or conducting) same load)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/05/11 17:25
S7	421	(fem or fea) and (structural adj analysis)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/05/11 17:26
S8	309	S7 and agent	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/05/11 17:24
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Leifer, J.; Masada, G.Y.; Busch-Vishniac, I.J.;
Semiconductor Manufacturing, IEEE Transactions on
Volume 8, Issue 3, Aug. 1995 Page(s):352 - 359

[AbstractPlus](#) | [Full Text: PDF\(680 KB\)](#) [IEEE JNL](#)

IEEE
STD IEEE Standard

2. Microthrusters in silicon for aerospace application

Giulio, L.; Marco, B.; Aldo, F.; Domenico, T.P.; Mario, M.;
Aerospace and Electronic Systems Magazine, IEEE
Volume 17, Issue 9, Sept. 2002 Page(s):22 - 27

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(596 KB\)](#) [IEEE JNL](#)

3. Structural analysis (Siemens) of the euratom coil for the large coil tasks

Maurer, A.;
Magnetics, IEEE Transactions on
Volume 17, Issue 5, Sep 1981 Page(s):2093 - 2096

[AbstractPlus](#) | [Full Text: PDF\(464 KB\)](#) [IEEE JNL](#)

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Visualization and Computer Graphics, IEEE Transactions on
Volume 11, Issue 2, March-April 2005 Page(s):160 - 170
[AbstractPlus](#) | Full Text: [PDF](#)(1752 KB) IEEE JNL
- ☐ 2. **Learn++: an incremental learning algorithm for supervised neural networks**
Polikar, R.; Upda, L.; Upda, S.S.; Honavar, V.;
Systems, Man and Cybernetics, Part C, IEEE Transactions on
Volume 31, Issue 4, Nov. 2001 Page(s):497 - 508
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(301 KB) IEEE JNL
- ☐ 3. **GA-based fuzzy reinforcement learning for control of a magnetic bearing system**
Chin-Teng Lin; Chong-Ping Jou;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 30, Issue 2, April 2000 Page(s):276 - 289
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(324 KB) IEEE JNL
- ☐ 4. **Constrained motion control using vector potential fields**
Masoud, S.A.; Masoud, A.A.;
Systems, Man and Cybernetics, Part A, IEEE Transactions on
Volume 30, Issue 3, May 2000 Page(s):251 - 272
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(644 KB) IEEE JNL
- ☐ 5. **Proceedings of the 1999 Congress on Evolutionary Computation-CEC99 (Cat. No Evolutionary Computation, 1999. CEC 99. Proceedings of the 1999 Congress on Volume 1, 6-9 July 1999**
[AbstractPlus](#) | Full Text: [PDF](#)(1072 KB) IEEE CNF
- ☐ 6. **IJCNN'99. International Joint Conference on Neural Networks. Proceedings (Cat. Neural Networks, 1999. IJCNN '99. International Joint Conference on Volume 1, 10-16 July 1999**
[AbstractPlus](#) | Full Text: [PDF](#)(2448 KB) IEEE CNF
- ☐ 7. **Proceedings of IEEE Region 10 International Conference on Electrical and Electronic Technology. TENCON 2001 (Cat. No.01CH37239)**
Electrical and Electronic Technology, 2001. TENCON. Proceedings of IEEE Region 10

Conference on
Volume 1, 19-22 Aug. 2001

[AbstractPlus](#) | Full Text: [PDF](#)(864 KB) IEEE CNF

8. **Proceedings of the 33rd Southeastern Symposium on System Theory (Cat. No.01**
Southeastern Symposium on System Theory, 2001. Proceedings of the 33rd
18-20 March 2001

[AbstractPlus](#) | Full Text: [PDF](#)(612 KB) IEEE CNF

9. **2001 IEEE Porto Power Tech Proceedings (Cat. No.01EX502)**

Power Tech Proceedings, 2001 IEEE Porto
Volume 1, 10-13 Sept. 2001

[AbstractPlus](#) | Full Text: [PDF](#)(1482 KB) IEEE CNF

10. **Investigations into the use of the finite element method and artificial neural network
destructive analysis of metallic tubes**

de Alcantara, N.P., Jr.; de Carvalho, A.M.; Ulson, J.A.C.;
Neural Networks, 2002. IJCNN '02. Proceedings of the 2002 International Joint Confer
Volume 2, 12-17 May 2002 Page(s):1450 - 1454

[AbstractPlus](#) | Full Text: [PDF](#)(415 KB) IEEE CNF

11. **Diagnosis of switch open-circuit fault in PM brushless DC motor drives**

Awadallah, M.A.; Morcos, M.M.;
Power Engineering, 2003 Large Engineering Systems Conference on
7-9 May 2003 Page(s):69 - 73

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**1. Analogical problem solving in an expert system**Applegate, B.; Fernandez, T.; Sarker, D.;
Systems, Man and Cybernetics, IEEE Transactions on
Volume 22, Issue 5, Sept.-Oct. 1992 Page(s):1138 - 1144[AbstractPlus](#) | [Full Text: PDF\(736 KB\)](#) IEEE JNL

IEEE STD IEEE Standard

**2. GA-based fuzzy reinforcement learning for control of a magnetic bearing system**Chin-Teng Lin; Chong-Ping Jou;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 30, Issue 2, April 2000 Page(s):276 - 289[AbstractPlus](#) | [References](#) | [Full Text: PDF\(324 KB\)](#) IEEE JNL**3. Nonlinear predictive control with application to manipulator with flexible forearm**Song, B.J.; Koivo, A.J.;
Industrial Electronics, IEEE Transactions on
Volume 46, Issue 5, Oct. 1999 Page(s):923 - 932[AbstractPlus](#) | [References](#) | [Full Text: PDF\(256 KB\)](#) IEEE JNL**4. An artificial intelligence system for a complex electromagnetic field problem. I. F calculations and fuzzy logic development**Satsios, K.J.; Labridis, D.P.; Dokopoulos, P.S.;
Magnetics, IEEE Transactions on
Volume 35, Issue 1, Jan. 1999 Page(s):516 - 522[AbstractPlus](#) | [References](#) | [Full Text: PDF\(228 KB\)](#) IEEE JNL**5. Neural networks for intelligent multimedia processing**Sun-Yuan Kung; Jenq-Neng Hwang;
Proceedings of the IEEE
Volume 86, Issue 6, June 1998 Page(s):1244 - 1272[AbstractPlus](#) | [References](#) | [Full Text: PDF\(476 KB\)](#) IEEE JNL**6. Modeling faulted switched reluctance motors using evolutionary neural networks**Belfore, L.A., II; Arkadan, A.-R.A.;
Industrial Electronics, IEEE Transactions on
Volume 44, Issue 2, April 1997 Page(s):226 - 233[AbstractPlus](#) | [References](#) | [Full Text: PDF\(168 KB\)](#) IEEE JNL

-  **7. Dam Gate Diagnosing Advisor-an expert system for steel structures**
Terano, T.; Sinohara, Y.; Matsui, S.; Nakamura, H.;
Artificial Intelligence for Industrial Applications, 1988. IEEE AI '88., Proceedings of the I
Workshop on
25-27 May 1988 Page(s):129 - 134
[AbstractPlus](#) | Full Text: [PDF](#)(488 KB) IEEE CNF
-  **8. Use of artificial neural networks for optimal sensing in complex structures analy:**
Savastano, M.; Lecce, L.; Marulo, F.; Sansone, C.;
Instrumentation and Measurement Technology Conference, 1994. IMTC/94. Conferenc
10th Anniversary. Advanced Technologies in I & M., 1994 IEEE
10-12 May 1994 Page(s):127 - 130 vol.1
[AbstractPlus](#) | Full Text: [PDF](#)(344 KB) IEEE CNF
-  **9. A diagnostic system using neural networks and natural frequencies**
Kaminski, P.C.;
Knowledge-Based Intelligent Electronic Systems, 1998. Proceedings KES '98. 1998 Se
International Conference on
Volume 2, 21-23 April 1998 Page(s):139 - 144 vol.2
[AbstractPlus](#) | Full Text: [PDF](#)(400 KB) IEEE CNF
-  **10. Evolution of mesh refinement rules for impact dynamics**
Howard, D.; Roberts, S.C.;
Evolutionary Computation, 2000. Proceedings of the 2000 Congress on
Volume 2, 16-19 July 2000 Page(s):1297 - 1303 vol.2
[AbstractPlus](#) | Full Text: [PDF](#)(1000 KB) IEEE CNF
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Volume 2, 12-17 May 2002 Page(s):1450 - 1454
AbstractPlus Full Text: PDF(415 KB) IEEE CNF |
| <input checked="" type="checkbox"/> IEEE CNF | 2. Extracting contact parameters from tactile data using artificial neural networks
Charlton, S.; Pavan Sikka; Hong Zhang;
Systems, Man and Cybernetics, 1995. 'Intelligent Systems for the 21st Century', IEEE Conference on
Volume 5, 22-25 Oct. 1995 Page(s):3954 - 3959 vol.5
AbstractPlus Full Text: PDF(408 KB) IEEE CNF |
| <input checked="" type="checkbox"/> IEEE JNL | 3. The forward EEG solutions can be computed using artificial neural networks
Mingui Sun; Scabassi, R.J.;
Biomedical Engineering, IEEE Transactions on
Volume 47, Issue 8, Aug. 2000 Page(s):1044 - 1050
AbstractPlus References Full Text: PDF(224 KB) IEEE JNL |
| <input checked="" type="checkbox"/> IEEE JNL | 4. Experimental and numerical results of electromagnetic nondestructive testing with
Ruosi, A.; Pepe, G.; Peluso, G.; Valentino, M.; Monebhurrin, V.;
Applied Superconductivity, IEEE Transactions on
Volume 9, Issue 2, June 1999 Page(s):3499 - 3502
AbstractPlus References Full Text: PDF(360 KB) IEEE JNL |
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implementation and performance analysis
Satsios, K.J.; Labridis, D.P.; Dokopoulos, P.S.;
Magnetism, IEEE Transactions on
Volume 35, Issue 1, Jan. 1999 Page(s):523 - 527
AbstractPlus References Full Text: PDF(320 KB) IEEE JNL |
| <input checked="" type="checkbox"/> IEEE JNL | 6. An artificial intelligence system for a complex electromagnetic field problem. I. F
calculations and fuzzy logic development
Satsios, K.J.; Labridis, D.P.; Dokopoulos, P.S.;
Magnetism, IEEE Transactions on |

Volume 35, Issue 1, Jan. 1999 Page(s):516 - 522

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(228 KB\)](#) IEEE JNL

-  **7. Thin frequency-selective lattices integrated in novel compact MIC, MMIC, and PC**
 Contopanagos, H.; Lijun Zhang; Alexopoulos, N.G.;
 Microwave Theory and Techniques, IEEE Transactions on
 Volume 46, Issue 11, Nov. 1998 Page(s):1936 - 1948
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(580 KB\)](#) IEEE JNL
-  **8. Artificial neural networks for solving ordinary and partial differential equations**
 Lagaris, I.E.; Likas, A.; Fotiadis, D.I.;
 Neural Networks, IEEE Transactions on
 Volume 9, Issue 5, Sept. 1998 Page(s):987 - 1000
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(424 KB\)](#) IEEE JNL
-  **9. Artificial neural networks for finite element modeling of giant magnetostrictive de**
 Benbouzid, M.E.H.;
 Magnetics, IEEE Transactions on
 Volume 34, Issue 6, Nov. 1998 Page(s):3853 - 3856
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(108 KB\)](#) IEEE JNL
-  **10. Triangular prisms for edge-based vector finite element analysis of conformal ant**
 Ozdemir, T.; Volakis, J.L.;
 Antennas and Propagation, IEEE Transactions on
 Volume 45, Issue 5, May 1997 Page(s):788 - 797
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(416 KB\)](#) IEEE JNL
-  **11. CAD of rectangular-waveguide H-plane circuits by segmentation, finite elements**
neural networks
 Cid, J.M.; Zapata, J.;
 Electronics Letters
 Volume 37, Issue 2, 18 Jan 2001 Page(s):98 - 99
[AbstractPlus](#) | Full Text: [PDF\(220 KB\)](#) IEEE JNL
-  **12. Design and analysis of a permanent magnet motor integrated with journal bearing**
 Fengxiang Wang; Longya Xu;
 Industry Applications Conference, 1997. Thirty-Second IAS Annual Meeting, IAS '97., (C
 Record of the 1997 IEEE
 Volume 1, 5-9 Oct. 1997 Page(s):24 - 28 vol.1
[AbstractPlus](#) | Full Text: [PDF\(460 KB\)](#) IEEE CNF
-  **13. An efficient analysis of microstrip lines on artificial periodic structures**
 Sheng, X.Q.; Yung, E.K.N.; Chan, C.H.;
 Microwave Conference, 2000 Asia-Pacific
 3-6 Dec. 2000 Page(s):404 - 407
[AbstractPlus](#) | Full Text: [PDF\(364 KB\)](#) IEEE CNF
-  **14. Efficient prediction of interconnect crosstalk using neural networks**
 Ilumoka, A.A.;
 Tools with Artificial Intelligence, 2000. ICTAI 2000. Proceedings. 12th IEEE International
 13-15 Nov. 2000 Page(s):122 - 125
[AbstractPlus](#) | Full Text: [PDF\(320 KB\)](#) IEEE CNF
-  **15. Minimum inductance estimation in switched reluctance motors by using artificial**
networks
 Yilmaz, K.; Mese, E.; Cengiz, A.;
 Electrotechnical Conference, 2002. MELECON 2002. 11th Mediterranean

7-9 May 2002 Page(s):152 -156

[AbstractPlus](#) | Full Text: [PDF](#)(543 KB) IEEE CNF

16. **NFDTD concept**
Mishra, R.K.; Hall, P.S.;
Neural Networks, IEEE Transactions on
Volume 16, Issue 2, March 2005 Page(s):484 - 490
[AbstractPlus](#) | Full Text: [PDF](#)(488 KB) IEEE JNL
17. **Frequency dependence of the constitutive parameters of causal perfectly matched absorbers**
Kuzuoglu, M.; Mittra, R.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wireless C
Letters]
Volume 6, Issue 12, Dec. 1996 Page(s):447 - 449
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(208 KB) IEEE JNL
18. **Hybrid finite element-modal analysis of jet engine inlet scattering**
Ross, D.C.; Volakis, J.L.; Anastassiou, H.T.;
Antennas and Propagation, IEEE Transactions on
Volume 43, Issue 3, March 1995 Page(s):277 - 285
[AbstractPlus](#) | Full Text: [PDF](#)(732 KB) IEEE JNL
19. **Modeling of multilevel structures: a general method for analyzing stress evolution in processing**
Cifuentes, A.O.; Shareef, I.A.;
Semiconductor Manufacturing, IEEE Transactions on
Volume 5, Issue 2, May 1992 Page(s):128 - 137
[AbstractPlus](#) | Full Text: [PDF](#)(1472 KB) IEEE JNL
20. **Tangential vector finite elements for semiconductor device simulation**
Chou, T.-Y.; Cendes, Z.J.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on
Volume 10, Issue 9, Sept. 1991 Page(s):1193 - 1200
[AbstractPlus](#) | Full Text: [PDF](#)(760 KB) IEEE JNL
21. **A generalized Scharfetter-Gummel method to eliminate crosswind effects [semiconductor device modeling]**
He, Y.; Cao, G.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on
Volume 10, Issue 12, Dec. 1991 Page(s):1579 - 1582
[AbstractPlus](#) | Full Text: [PDF](#)(292 KB) IEEE JNL
22. **Modeling of effects of skewing of rotor mounted permanent magnets on the performance of brushless DC motors**
Alhamadi, M.A.; Demerdash, N.A.;
Energy Conversion, IEEE Transactions on
Volume 6, Issue 4, Dec. 1991 Page(s):721 - 729
[AbstractPlus](#) | Full Text: [PDF](#)(836 KB) IEEE JNL
23. **Potential distributions of metal oxide surge arresters under various environmental conditions**
Kojima, S.; Oyama, M.; Yamashita, M.;
Power Delivery, IEEE Transactions on
Volume 3, Issue 3, July 1988 Page(s):984 - 989
[AbstractPlus](#) | Full Text: [PDF](#)(528 KB) IEEE JNL
24. **FEM versus BEM**

Yunn-Shiuan Liao; Shiang-Woei Chyuan; Jeng-Tzong Chen;
Circuits and Devices Magazine, IEEE
Volume 20, Issue 5, Sept.-Oct. 2004 Page(s):25 - 34

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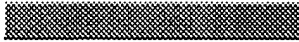


25. A new electromagnetic hearing aid using lightweight coils to vibrate the ossicles

Hamanishi, S.; Koike, T.; Matsuki, H.; Wada, H.;
Magnetics, IEEE Transactions on

Volume 40, Issue 5, Sept. 2004 Page(s):3387 - 3393

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[AbstractPlus](#) | Full Text: [PDF](#)(1472 KB) IEEE JNL
- ☐ 2. **Modeling faulted switched reluctance motors using evolutionary neural networks**
Belfore, L.A., II; Arkadan, A.-R.A.;
Industrial Electronics, IEEE Transactions on
Volume 44, Issue 2, April 1997 Page(s):226 - 233
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(168 KB) IEEE JNL
- ☐ 3. **Evaluation and identification of lightning models by artificial neural networks**
Da Silva, I.N.; De Souza, A.N.; Bordon, M.E.;
Neural Networks, 1999. IJCNN '99. International Joint Conference on
Volume 6, 10-16 July 1999 Page(s):3816 - 3820 vol.6
[AbstractPlus](#) | Full Text: [PDF](#)(280 KB) IEEE CNF
- ☐ 4. **Improvement on characteristics of linear oscillatory actuator for artificial hearts**
Watada, M.; Yanashima, K.; Oishi, Y.; Ebihara, D.; Dohmeki, H.;
Magnetics, IEEE Transactions on
Volume 29, Issue 6, Nov 1993 Page(s):3361 - 3363
[AbstractPlus](#) | Full Text: [PDF](#)(216 KB) IEEE JNL
- ☐ 5. **Artificial neural networks in the solution of inverse electromagnetic field problem**
Hoole, S.R.H.;
Magnetics, IEEE Transactions on
Volume 29, Issue 2, Mar 1993 Page(s):1931 - 1934
[AbstractPlus](#) | Full Text: [PDF](#)(416 KB) IEEE JNL
- ☐ 6. **Analogical problem solving in an expert system**
Applegate, B.; Fernandez, T.; Sarker, D.;
Systems, Man and Cybernetics, IEEE Transactions on
Volume 22, Issue 5, Sept.-Oct. 1992 Page(s):1138 - 1144
[AbstractPlus](#) | Full Text: [PDF](#)(736 KB) IEEE JNL

7. **Development of a single-winding linear oscillatory actuator [artificial heart applic**
Ebihara, D.; Watada, M.;
Magnetics, IEEE Transactions on
Volume 28, Issue 5, Sep 1992 Page(s):3030 - 3032
[AbstractPlus](#) | [Full Text: PDF\(196 KB\)](#) IEEE JNL.
8. **Interface fixation analysis of artificial joints**
Shirazi-Adl, A.;
Engineering in Medicine and Biology Magazine, IEEE
Volume 10, Issue 2, June 1991 Page(s):29 - 32
[AbstractPlus](#) | [Full Text: PDF\(456 KB\)](#) IEEE JNL.
9. **Electrical impedance tomography using the extended Kalman filter**
Trigo, F.C.; Gonzalez-Lima, R.; Amato, M.B.P.;
Biomedical Engineering, IEEE Transactions on
Volume 51, Issue 1, Jan. 2004 Page(s):72 - 81
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(920 KB\)](#) IEEE JNL.
10. **Nonlinear elastic material property estimation of lower extremity residual limb tis**
Tonuk, E.; Silver-Thorn, M.B.;
Neural Systems and Rehabilitation Engineering, IEEE Transactions on [see also IEEE
Rehabilitation Engineering]
Volume 11, Issue 1, March 2003 Page(s):43 - 53
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(863 KB\)](#) IEEE JNL.
11. **A methodology for characterizing fault tolerant switched reluctance motors usin**
neurogenetically derived models
Belfore, L.A., II; Arkadan, A.;
Energy Conversion, IEEE Transactions on
Volume 17, Issue 3, Sept. 2002 Page(s):380 - 384
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(234 KB\)](#) IEEE JNL.
12. **GA-based fuzzy reinforcement learning for control of a magnetic bearing system**
Chin-Teng Lin; Chong-Ping Jou;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 30, Issue 2, April 2000 Page(s):276 - 289
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(324 KB\)](#) IEEE JNL.
13. **Nonlinear predictive control with application to manipulator with flexible forearm**
Song, B.J.; Koivo, A.J.;
Industrial Electronics, IEEE Transactions on
Volume 46, Issue 5, Oct. 1999 Page(s):923 - 932
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(256 KB\)](#) IEEE JNL.
14. **An artificial intelligence system for a complex electromagnetic field problem. I. F**
calculations and fuzzy logic development
Satsios, K.J.; Labridis, D.P.; Dokopoulos, P.S.;
Magnetics, IEEE Transactions on
Volume 35, Issue 1, Jan. 1999 Page(s):516 - 522
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(228 KB\)](#) IEEE JNL.
15. **Comments on and extensions of "A note on the application of edge-elements for**
dimensional inhomogeneously-filled cavities"
Davidson, D.B.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 46, Issue 9, Sep 1998 Page(s):1344 - 1346
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(112 KB\)](#) IEEE JNL.

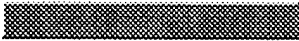
-  **16. Neural networks for intelligent multimedia processing**
 Sun-Yuan Kung; Jenq-Neng Hwang;
 Proceedings of the IEEE
 Volume 86, Issue 6, June 1998 Page(s):1244 - 1272
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(476 KB\)](#) IEEE JNL.
-  **17. Detection of incipient object slippage by skin-like sensing and neural network pr**
 Canepa, G.; Petrigliano, R.; Campanella, M.; De Rossi, D.;
 Systems, Man and Cybernetics, Part B, IEEE Transactions on
 Volume 28, Issue 3, June 1998 Page(s):348 - 356
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(180 KB\)](#) IEEE JNL.
-  **18. Estimating one-dimensional models from frequency-domain electromagnetic dat**
neural networks
 Poulton, M.M.; Birken, R.A.;
 Geoscience and Remote Sensing, IEEE Transactions on
 Volume 36, Issue 2, March 1998 Page(s):547 - 555
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(256 KB\)](#) IEEE JNL.
-  **19. Reaction-diffusion cellular automation using integrated microelectrodes**
 Hiratsuka, M.; Aoki, T.; Higuchi, T.;
 Electronics Letters
 Volume 37, Issue 2, 18 Jan 2001 Page(s):87 - 89
[AbstractPlus](#) | Full Text: [PDF\(344 KB\)](#) IEEE JNL.
-  **20. Dam Gate Diagnosing Advisor-an expert system for steel structures**
 Terano, T.; Sinohara, Y.; Matsui, S.; Nakamura, H.;
 Artificial Intelligence for Industrial Applications, 1988. IEEE AI '88., Proceedings of the
 Workshop on
 25-27 May 1988 Page(s):129 - 134
[AbstractPlus](#) | Full Text: [PDF\(488 KB\)](#) IEEE CNF
-  **21. Dynamics considerations for a magnetically suspended flywheel**
 Lashley, C.M.; Ries, D.M.; Zmood, R.B.; Kirk, J.A.; Anand, D.K.;
 Energy Conversion Engineering Conference, 1989. IECEC-89. Proceedings of the 24th
 6-11 Aug. 1989 Page(s):1505 - 1510 vol.3
[AbstractPlus](#) | Full Text: [PDF\(408 KB\)](#) IEEE CNF
-  **22. Use of artificial neural networks for optimal sensing in complex structures analy:**
 Savastano, M.; Lecce, L.; Marulo, F.; Sansone, C.;
 Instrumentation and Measurement Technology Conference, 1994. IMTC/94. Conferenc
 10th Anniversary. Advanced Technologies in I & M., 1994 IEEE
 10-12 May 1994 Page(s):127 - 130 vol.1
[AbstractPlus](#) | Full Text: [PDF\(344 KB\)](#) IEEE CNF
-  **23. A diagnostic system using neural networks and natural frequencies**
 Kaminski, P.C.;
 Knowledge-Based Intelligent Electronic Systems, 1998. Proceedings KES '98. 1998 Se
 International Conference on
 Volume 2, 21-23 April 1998 Page(s):139 - 144 vol.2
[AbstractPlus](#) | Full Text: [PDF\(400 KB\)](#) IEEE CNF
-  **24. Artificial neural networks applied in study of atmospheric parameters to high vol**
concerning lightning
 De Souza, A.N.; Da Silva, I.N.; Bordon, M.E.;
 Neural Networks, 2000. IJCNN 2000, Proceedings of the IEEE-INNS-ENNS Internation

Conference on
Volume 6, 24-27 July 2000 Page(s):185 - 190 vol.6
[AbstractPlus](#) | Full Text: [PDF](#)(252 KB) IEEE CNF

**25. Neural fault detection of an adaptive controlled beam**

Nobrega, E.G.; Alves, M.A., Jr.; Grigoriadis, K.M.;
American Control Conference, 2000. Proceedings of the 2000
Volume 6, 28-30 June 2000 Page(s):4219 - 4223 vol.6

[AbstractPlus](#) | Full Text: [PDF](#)(352 KB) IEEE CNF



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